Power-Class

Launch Amplifier for large distribution networks / 9 inputs

SBK 9935 NF, SBK 9965 NF

Launch- and post amplifier for cascading with SMK 99xx F.

SAT IF:

- A special amplifier / filter design improves the intermodulation properties of the launch amplifiers considerably
- The high selective input filter guarantees that interference products of the LNBs can not drive the amplifiers into saturation
- An additional output filter ensures that intermodulation products and noise effects do not degrade the terrestrial signal

Terrestrial:

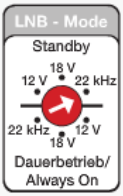
- **Forward path:**
  Terrestrial amplifier with pre emphasis
- **Return path:**
  Selectable: off, passive, active
  Gain selectable: 20, 15, 10 or 5 dB
- CATV compatible
- Push pull technology
- Level adjuster range: 0 ... -15 dB

Miscellaneous:

- Selective standby function:
  If all subscribers only watch TV programms of SAT system A, only the appropriate LNB is supplied with power. The internal logic turns off the power supply of all other LNBs as well as that of the integrated amplifiers.
  This process results in significant energy savings.
- Ground clamp

LED control:

- green = active
- yellow = standby
- red = DC error



LNB supply voltage selectable for Quattro or QUAD-LNB

Standby or normal operation modes selectable for SAT reception

Return path: selectable: off, passive, active. Gain selectable: 20, 15, 10 or 5 dB

Level adjuster for each SAT IF signals 0 ... -10 dB

9 DC-decoupled terminating resistors are shipped with the SBK 99x5 NF to terminate the trunk lines.
ZFR 75 DC /Set (Art.No.: 871511)

Model Art. No.		SBK 9935 NF 842379	SBK 9965 NF 842400
EAN		4040326423790	4040326424001
Inputs / outputs SAT / terrestrial		9 / 9 8 / 1	
Return path loss terr. passive: 5 ... 30 MHz		-2,5 dB	-
Return path loss terr. passive: 5 ... 65 MHz		-	-2,5 dB
Return path gain terr. active: 5 ... 30 MHz		5, 10, 15, 20 dB	-
Return path gain terr. active: 5 ... 65 MHz		-	5, 10, 15, 20 dB
Gain terr. 47 ... 862 MHz		26 ... 30 dB	-
Gain terr. 85 ... 862 MHz		-	26 ... 30 dB
Gain SAT IF: 950 ... 2200 MHz		27 ... 31 dB	27 ... 31 dB
Noise figure Terrestrial		< 7 dB	< 7 dB
Noise figure return path Terrestrial		6 dB	6 dB
Noise figure SAT		< 5,5 dB	< 5,5 dB
Output level Return path 5 ... 30 MHz max. 60 dB IMA_3 / EN 60728-3		110 dBµV	-
Output level Return path 5 ... 65 MHz max. 60 dB IMA_3 / EN 60728-3		-	110 dBµV
Output level 47... 862 MHz max. 60 dB IMA_3 / EN 60728-3		116 dBµV	-
Output level 85 ... 862 MHz max. 60 dB IMA_3 / EN 60728-3		-	116 dBµV
Output level 950 ... 2200 MHz max. 35 dB IMA_3 / EN 60728-3		117 dBµV	117 dBµV
Rejection	Terrestrial active / SAT	> 42 dB	> 42 dB
	SAT / terrestrial	> 40 dB	> 40 dB
Isolation Trunk / trunk		≥ 35 dB	
Mains power supply V~		100 ... 240 V / 47 – 63 Hz	
Power consumption Terrestrial active / SAT active		55 W	
Power consumption standby		< 15 W	
LNB remote current		1 A	
Single port current		500 mA	
Ambient temperature		-20 ... +50 °C	
Dimensions (mm)		445 x 190 x 100	